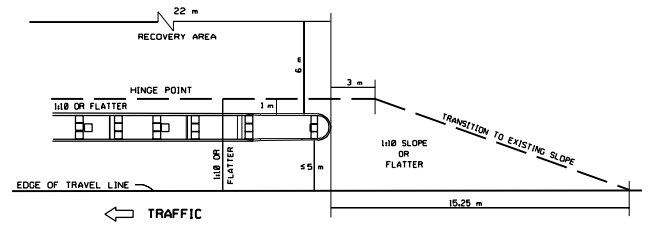
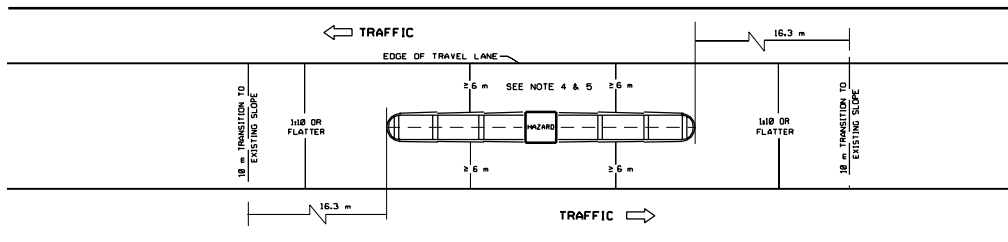


## SHOULDER APPLICATION



## MEDIAN APPLICATION



## NOTES FOR ATTENUATOR TYPES C, PLACEMENT DRAWING

1. THE C.A.T., CRASH CUSHION ATTENUATING TERMINAL, MANUFACTURED BY SYRO, INC. AND THE BRAKEMASTER, MANUFACTURED BY ENERGY ABSORPTION SYSTEMS, SHALL BE INSTALLED ACCORDING TO GUIDELINES FOR ATTENUATORS AND END SECTIONS AND MANUFACTURE SPECIFICATIONS.

THESE SYSTEMS ARE PRIMARILY USED WITH SINGLE OR DOUBLE FACED GUARDRAIL, TRANSITION ELEMENTS AND ARE AVAILABLE FOR USE WITH CONCRETE BARRIER OR OTHER CONCRETE STRUCTURES. BOTH SYSTEMS ARE IN EXCESS OF 9.5 m IN LENGTH AND REQUIRE A SUBSTANTIAL AMOUNT OF SPACE IN FRONT OF THE HAZARD TO BE PROTECTED.

2. THE C.A.T. REQUIRES A GRADED SURFACE, THE BRAKEMASTER SURFACE SHALL BE A STANDARD FIRM SOIL OR COMPACTED SUBBASE AS A MINIMUM. ALL GRADING REQUIREMENTS SHALL BE COMPLETED PRIOR TO INSTALLATION OF THE SYSTEM.

3. ALL APPLICATIONS REQUIRE THE USE OF SLOPES 1:10 OR FLATTER TO THE FRONT APPROACHES. A 1:10 SLOPE OR FLATTER IS REQUIRED IN THE REAR OF THE SYSTEM IF YOU HAVE TRAFFIC APPROACHING FROM THE REAR. ALL APPROACH AREAS SHALL BE FREE OF ANY OBSTRUCTIONS.

4. WHEN PLACED IN A MEDIAN APPLICATION, A RECOVERY AREA OF 22 m x 6 m IS REQUIRED FOR BOTH DIRECTIONS OF TRAVEL.

5. SYSTEMS PLACED IN LOCATIONS WHERE TRAFFIC IS APPROACHING THE REAR SYSTEM REQUIRES A TRANSITION ELEMENT, AS PER MANUFACTURE'S SPECIFICATIONS.

6. ATTENUATOR SHALL HAVE THE PROPER MARKINGS INSTALLED AS PER STANDARD DRAWING 735-1G.

REVISIONS		UTAH DEPARTMENT OF TRANSPORTATION	
1	02/06/00	STANDARD DRAWING FOR ROAD AND BRIDGE CONSTRUCTION	DATE
2	02/06/00	SALT LAKE CITY, UTAH	DATE
3	02/06/00	RECOMMENDED FOR APPROVAL	DATE
4	02/06/00	CONTRACTOR'S/AGENCY'S COMMITTEE	DATE
5	02/06/00	APPROVED	DATE
6	02/06/00	DEPUTY DIRECTOR	DATE
STANDARD DRAWING TITLE		CRADING & PLACEMENT DETAIL ATTENUATOR TYPE "C"	
STD. DWG. NO.		735-1N	